

## WEST Search History

DATE: Sunday, January 12, 2003

### Set Name Query

side by side

### Hit Count Set Name

result set

*DB=USPT; PLUR=YES; OP=ADJ*

L8	L7 and (ethylene oxide or propylene oxide or polyolefins or polymethacrylates or polystyrene or polyvinylacetate or polyvinyl chloride or polyvinyl acetals or polycarbonates or polyterephthalate or polyoxymethylene)	3	L8
L7	L6 and (polyethylene glycol or polyvinyl alcohol or polyakylene glycol or polyvinylamide or polyvinylpyrrolidone or polyether or polyester or polyurethane or polyacrylamide or polysaccharides or cellulose ethers or polyalkyleneimines or polyvinylsulfonic acids or polyvinylphosphonic acids)	6	L7
L6	L5 and (hydrophilic or hydrophobic)	12	L6
L5	L3 and gas hydrates	38	L5
L4	L3 and graft\$3	1	L4
L3	gas hydrate inhibitors and polymer\$1	38	L3
L2	gas hydrate inhibitors and graft\$3 polymer\$1	0	L2
L1	gas hydrate inhibitors and graft polymer\$1	0	L1

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 3 of 3 returned.**☐ 1. Document ID: US 6495658 B2

L8: Entry 1 of 3

File: USPT

Dec 17, 2002

US-PAT-NO: 6495658

DOCUMENT-IDENTIFIER: US 6495658 B2

TITLE: Comonomer compositions for production of imide-containing polyamino acids

DATE-ISSUED: December 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sikes; C. Steven	Birmingham	AL		
Ringsdorf; Lillian	Birmingham	AL		
Swift; Graham	Blue Bell	PA		

US-CL-CURRENT: 528/363; 528/328

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 2. Document ID: US 6319971 B1

L8: Entry 2 of 3

File: USPT

Nov 20, 2001

US-PAT-NO: 6319971

DOCUMENT-IDENTIFIER: US 6319971 B1

TITLE: Composition for controlling clathrate hydrates and a method for controlling clathrate hydrate formation

DATE-ISSUED: November 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelland; Malcolm Andrew	R.cedilla.yneberg			NO
Rodger; Mark	Coventry			GB
Namba; Takashi	Osaka			JP

US-CL-CURRENT: 524/379

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 3. Document ID: US 6177497 B1

L8: Entry 3 of 3

File: USPT

Jan 23, 2001

US-PAT-NO: 6177497

DOCUMENT-IDENTIFIER: US 6177497 B1

TITLE: Additives for inhibiting gas hydrate formation

DATE-ISSUED: January 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klug; Peter	Grossostheim			DE
Holtrup; Frank	Burgkirchen			DE

US-CL-CURRENT: 524/376; 585/15, 585/950, 95/153

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Term	Documents
ETHYLENE.USPT.	255507
ETHYLENES.USPT.	1238
OXIDE.USPT.	430472
OXIDES.USPT.	162702
PROPYLENE.USPT.	171572
PROPYLENES.USPT.	320
POLYOLEFINS.USPT.	36803
POLYOLEFIN.USPT.	41843
POLYMETHACRYLATES.USPT.	5858
POLYMETHACRYLATE.USPT.	6563
POLYSTYRENE.USPT.	104589
(L7 AND (ETHYLENE OXIDE OR PROPYLENE OXIDE OR POLYOLEFINS OR POLYMETHACRYLATES OR POLYSTYRENE OR POLYVINYLACETATE OR POLYVINYL CHLORIDE OR POLYVINYL ACETALS OR POLYCARBONATES OR POLYTEREPHTHALATE OR POLYOXYMETHYLENE)).USPT.	3

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 6 of 6 returned.**☐ 1. Document ID: US 6495658 B2

L7: Entry 1 of 6

File: USPT

Dec 17, 2002

US-PAT-NO: 6495658

DOCUMENT-IDENTIFIER: US 6495658 B2

TITLE: Comonomer compositions for production of imide-containing polyamino acids

DATE-ISSUED: December 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sikes; C. Steven	Birmingham	AL		
Ringsdorf; Lillian	Birmingham	AL		
Swift; Graham	Blue Bell	PA		

US-CL-CURRENT: [528/363](#); [528/328](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 2. Document ID: US 6319971 B1

L7: Entry 2 of 6

File: USPT

Nov 20, 2001

US-PAT-NO: 6319971

DOCUMENT-IDENTIFIER: US 6319971 B1

TITLE: Composition for controlling clathrate hydrates and a method for controlling clathrate hydrate formation

DATE-ISSUED: November 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelland; Malcolm Andrew	R.cedilla.yneberg			NO
Rodger; Mark	Coventry			GB
Namba; Takashi	Osaka			JP

US-CL-CURRENT: [524/379](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Draw Desc](#) | [Image](#)☐ 3. Document ID: US 6177497 B1

L7: Entry 3 of 6

File: USPT

Jan 23, 2001

US-PAT-NO: 6177497

DOCUMENT-IDENTIFIER: US 6177497 B1

TITLE: Additives for inhibiting gas hydrate formation

DATE-ISSUED: January 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klug; Peter	Grossostheim			DE
Holtrup; Frank	Burgkirchen			DE

US-CL-CURRENT: 524/376; 585/15, 585/950, 95/153

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 4. Document ID: US 5900516 A

L7: Entry 4 of 6

File: USPT

May 4, 1999

US-PAT-NO: 5900516

DOCUMENT-IDENTIFIER: US 5900516 A

TITLE: Method for predetermining a polymer for inhibiting hydrate formation

DATE-ISSUED: May 4, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Talley; Larry Dalton	Friendswood	TX		
Oelfke; Russell Harlan	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 208/48AA, 507/90, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 5. Document ID: US 5583273 A

L7: Entry 5 of 6

File: USPT

Dec 10, 1996

US-PAT-NO: 5583273

DOCUMENT-IDENTIFIER: US 5583273 A

TITLE: Method for inhibiting hydrate formation

DATE-ISSUED: December 10, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colle; Karla S.	Houston	TX		
Oelfke; Russell H.	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KVMC	Draw Desc	Image
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☐ 6. Document ID: US 5491269 A

L7: Entry 6 of 6

File: USPT

Feb 13, 1996

US-PAT-NO: 5491269

DOCUMENT-IDENTIFIER: US 5491269 A

TITLE: Method for inhibiting hydrate formation

DATE-ISSUED: February 13, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colle; Karla S.	Houston	TX		
Oelfke; Russell H.	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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MM	Draw Desc	Image
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Term	Documents
POLYETHYLENE.USPT.	283035
POLYETHENE.USPT.	403
GLYCOL.USPT.	212029
GLYCOLS.USPT.	67684
POLYVINYL.USPT.	145745
POLYVINYLS.USPT.	1095
ALCOHOL.USPT.	296803
ALCOHOLS.USPT.	175751
POLYAKYLENE.USPT.	92
POLYAKYLENES.USPT.	12
POLYVINYLAMIDE.USPT.	50
(L6 AND (POLYETHYLENE GLYCOL OR POLYVINYL ALCOHOL OR POLYAKYLENE GLYCOL OR POLYVINYLAMIDE OR POLYVINYLPIRROLIDONE OR POLYETHER OR POLYESTER OR POLYURETHANE OR POLYACRYLAMIDE OR POLYSACCHARIDES OR CELLULOSE ETHERS OR POLYALKYLENEIMINES OR POLYVINYLSULFONIC ACIDS OR POLYVINYLPHOSPHONIC ACIDS)).USPT.	6

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 12 returned.**☐ 1. Document ID: US 6495658 B2

L6: Entry 1 of 12

File: USPT

Dec 17, 2002

US-PAT-NO: 6495658

DOCUMENT-IDENTIFIER: US 6495658 B2

TITLE: Comonomer compositions for production of imide-containing polyamino acids

DATE-ISSUED: December 17, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sikes; C. Steven	Birmingham	AL		
Ringsdorf; Lillian	Birmingham	AL		
Swift; Graham	Blue Bell	PA		

US-CL-CURRENT: 528/363; 528/328

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
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<a href="#">RPMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 6444852 B1

L6: Entry 2 of 12

File: USPT

Sep 3, 2002

US-PAT-NO: 6444852

DOCUMENT-IDENTIFIER: US 6444852 B1

TITLE: Amines useful in inhibiting gas hydrate formation

DATE-ISSUED: September 3, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Milburn; Charles R.	Delawar	OH		
Sitz; Gary M.	Marysville	OH		

US-CL-CURRENT: 564/292; 585/15, 585/899, 585/950

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>
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<a href="#">RPMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 3. Document ID: US 6319971 B1

L6: Entry 3 of 12

File: USPT

Nov 20, 2001

US-PAT-NO: 6319971

DOCUMENT-IDENTIFIER: US 6319971 B1



TITLE: Composition for controlling clathrate hydrates and a method for controlling clathrate hydrate formation

DATE-ISSUED: November 20, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kelland; Malcolm Andrew	R.cedilla.yneberg			NO
Rodger; Mark	Coventry			GB
Namba; Takashi	Osaka			JP

US-CL-CURRENT: 524/379

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6194622 B1

L6: Entry 4 of 12

File: USPT

Feb 27, 2001

US-PAT-NO: 6194622

DOCUMENT-IDENTIFIER: US 6194622 B1

TITLE: Method for inhibiting hydrate formation

DATE-ISSUED: February 27, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Peiffer; Dennis G.	Annandale	NJ		
Costello; Christine A.	Easton	PA		
Talley; Lawrence D.	Friendswood	TX		
Wright; Pamela J.	Easton	PA		

US-CL-CURRENT: 585/15; 585/950, 95/153

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 6177497 B1

L6: Entry 5 of 12

File: USPT

Jan 23, 2001

US-PAT-NO: 6177497

DOCUMENT-IDENTIFIER: US 6177497 B1

TITLE: Additives for inhibiting gas hydrate formation

DATE-ISSUED: January 23, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klug; Peter	Grossostheim			DE
Holtrup; Frank	Burgkirchen			DE

US-CL-CURRENT: 524/376; 585/15, 585/950, 95/153

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 6173780 B1

L6: Entry 6 of 12

File: USPT

Jan 16, 2001

US-PAT-NO: 6173780

DOCUMENT-IDENTIFIER: US 6173780 B1

TITLE: Process for increasing effectiveness of production chemicals by reducing number of squeezing and shut-in operations required to increase production rate from an oil well

DATE-ISSUED: January 16, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collins; Ian Ralph	Sunbury on Thames			GB
Stewart; Nevin John	Guildford			GB

US-CL-CURRENT: 166/305.1; 166/300, 166/304

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 7. Document ID: US 6102986 A

L6: Entry 7 of 12

File: USPT

Aug 15, 2000

US-PAT-NO: 6102986

DOCUMENT-IDENTIFIER: US 6102986 A

TITLE: Method of inhibiting gas hydrate formation

DATE-ISSUED: August 15, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klug; Peter	Grossostheim			DE

US-CL-CURRENT: 95/153; 585/15, 96/235

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RVC	Draw Desc	Image
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☐ 8. Document ID: US 5900516 A

L6: Entry 8 of 12

File: USPT

May 4, 1999

US-PAT-NO: 5900516

DOCUMENT-IDENTIFIER: US 5900516 A

TITLE: Method for predetermining a polymer for inhibiting hydrate formation

DATE-ISSUED: May 4, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Talley; Larry Dalton	Friendswood	TX		
Oelfke; Russell Harlan	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 208/48AA, 507/90, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 9. Document ID: US 5690174 A

L6: Entry 9 of 12

File: USPT

Nov 25, 1997

US-PAT-NO: 5690174

DOCUMENT-IDENTIFIER: US 5690174 A

TITLE: Oil and gas field chemicals

DATE-ISSUED: November 25, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chapman; Richard George	Weybridge			GB2
Collins; Ian Ralph	Hampton			GB2
Goodwin; Stephen Paul	London			GB2
Lucy; Andrew Richard	York			GB2
Stewart; Nevin John	Guildford			GB2

US-CL-CURRENT: 166/275; 166/279

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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☐ 10. Document ID: US 5583273 A

L6: Entry 10 of 12

File: USPT

Dec 10, 1996

US-PAT-NO: 5583273

DOCUMENT-IDENTIFIER: US 5583273 A

TITLE: Method for inhibiting hydrate formation

DATE-ISSUED: December 10, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colle; Karla S.	Houston	TX		
Oelfke; Russell H.	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC	Draw Desc	Image
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Term	Documents
HYDROPHILIC.USPT.	78306
HYDROPHILICS.USPT.	34
HYDROPHOBIC.USPT.	79064
HYDROPHOBICS.USPT.	25
(5 AND (HYDROPHOBIC OR HYDROPHILIC)).USPT.	12
(L5 AND (HYDROPHILIC OR HYDROPHOBIC)).USPT.	12

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L6: Entry 11 of 12

File: USPT

Feb 13, 1996

US-PAT-NO: 5491269

DOCUMENT-IDENTIFIER: US 5491269 A

TITLE: Method for inhibiting hydrate formation

DATE-ISSUED: February 13, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Colle; Karla S.	Houston	TX		
Oelfke; Russell H.	Houston	TX		

US-CL-CURRENT: 585/15; 137/13, 137/3, 166/310, 166/371, 585/950

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 12. Document ID: US 4456067 A

L6: Entry 12 of 12

File: USPT

Jun 26, 1984

US-PAT-NO: 4456067

DOCUMENT-IDENTIFIER: US 4456067 A

TITLE: Process for inhibiting hydrate formation in producing gas wells

DATE-ISSUED: June 26, 1984

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pinner, Jr.; Felton R.	Houston	TX		

US-CL-CURRENT: 166/279; 376/362, 376/371

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Term	Documents
HYDROPHILIC.USPT.	78306
HYDROPHILICS.USPT.	34
HYDROPHOBIC.USPT.	79064
HYDROPHOBICS.USPT.	25
(5 AND (HYDROPHOBIC OR HYDROPHILIC)).USPT.	12
(L5 AND (HYDROPHILIC OR HYDROPHOBIC)).USPT.	12

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